

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1335555

Luminaire Tested: P3A02R35B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R35B2750DE010 E3A301WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

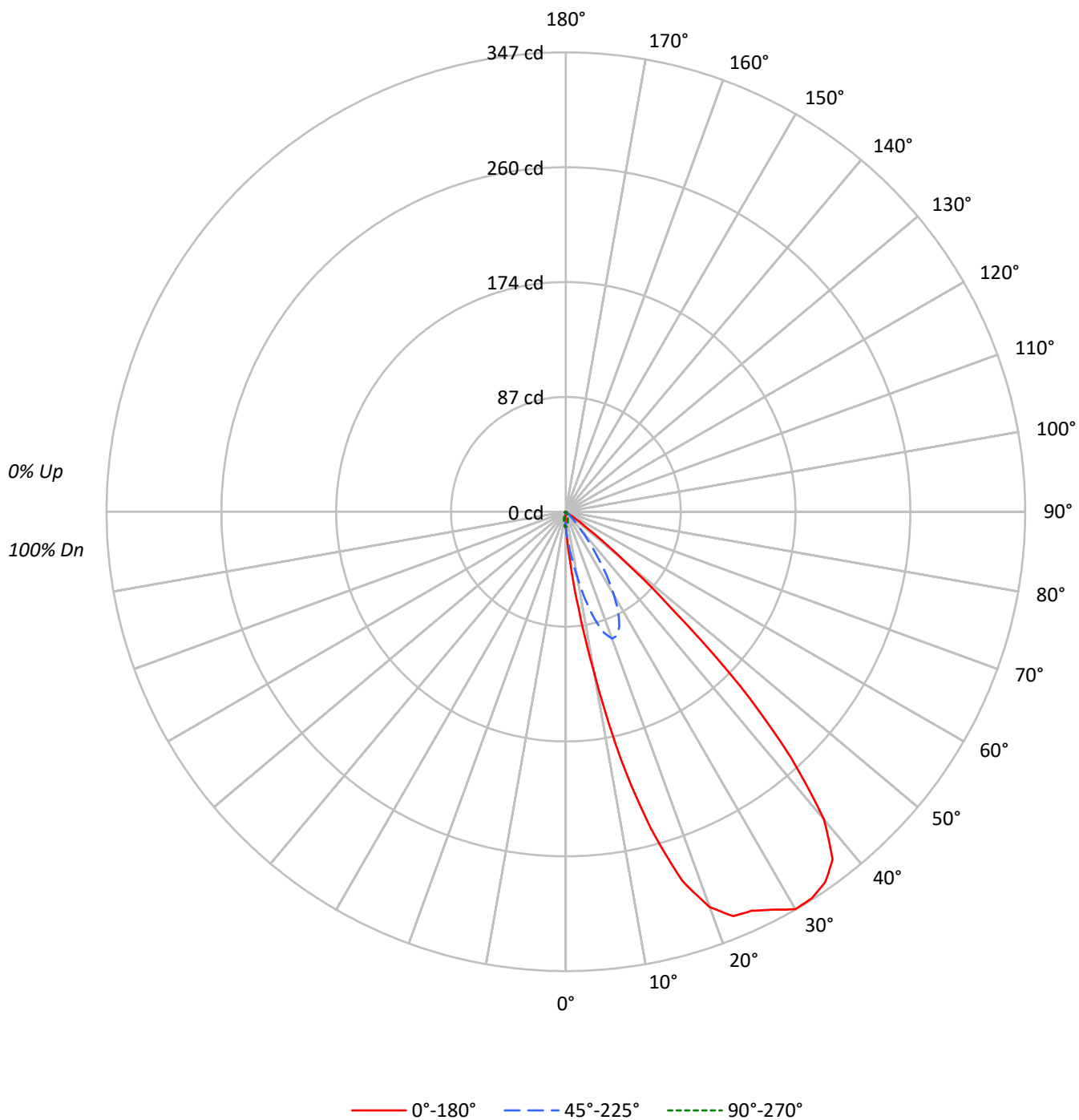
Lumens per Lamp: N/A
Luminaire Lumens: 109.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1335555

CATALOG NUMBER: P3A02R35B2750DE010 E3A301WMH_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1335555

CATALOG NUMBER: P3A02R35B2750DE010 E3A301WMH_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2500	2500	2500	2500	2500
5°	8541	5547	2355	991	726
10°	27521	11267	1848	379	245
15°	56073	19092	1317	136	91
20°	74136	23802	840	47	47
25°	80448	23130	484	24	48
30°	87760	18433	203	25	51
35°	91444	11484	54	27	54
40°	86763	5009	29	57	86
45°	57928	2016	31	93	155
50°	19411	341	68	136	205
55°	1070	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57928 cd/sqm

TEST NUMBER: P1335555

CATALOG NUMBER: P3A02R35B2750DE010 E3A301WMH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	1.8
10°-20°	15.7	14.4
20°-30°	33.0	30.3
30°-40°	37.5	34.4
40°-50°	18.5	16.9
50°-60°	1.6	1.5
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	50.7	46.5
0°-40°	88.2	80.9
0°-60°	108.2	99.3
0°-90°	109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	109.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	39	25	11	4	3	6
15°	247	84	6	1	0	70
25°	332	96	2	0	0	155
35°	342	43	0	0	0	211
45°	187	6	0	0	0	138
55°	3	0	0	0	1	11
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335555

CATALOG NUMBER: P3A02R35B2750DE010 E3A301WMH_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	19.9	20.4	20.2	20.1	20.0	19.6	18.7	18.6	17.7	17.1	14.2
5°	38.8	38.1	38.3	37.2	35.8	33.9	32.6	29.8	27.6	25.2	16.5
7.5°	73.2	72.1	70.1	66.9	63.7	59.5	53.1	48.0	42.2	36.6	18.4
10°	123.6	123.0	120.3	112.3	105.3	94.0	83.5	72.3	61.3	50.6	19.7
12.5°	190.9	186.9	182.1	171.4	157.5	143.4	122.6	103.3	85.8	67.8	19.8
15°	247.0	244.4	237.7	223.8	207.0	186.7	161.9	136.0	109.6	84.1	18.8
17.5°	292.1	288.2	279.4	265.8	246.6	220.2	191.2	159.6	127.4	95.8	17.1
20°	317.7	315.6	309.0	295.4	274.4	245.5	212.5	175.7	138.5	102.0	15.0
22.5°	330.6	329.2	324.3	313.4	293.7	264.7	226.9	184.1	141.8	101.3	12.7
25°	332.5	332.1	327.9	319.7	303.2	274.5	233.2	185.7	139.1	95.6	10.6
27.5°	338.9	337.6	332.6	324.4	307.8	276.1	231.0	180.3	130.6	85.6	8.8
30°	346.6	345.6	340.6	332.1	312.5	274.6	223.4	168.4	117.0	72.8	6.6
32.5°	346.0	345.6	341.4	332.4	309.2	265.4	209.8	150.5	98.5	57.4	4.1
35°	341.6	340.2	334.9	321.0	290.2	241.7	183.9	126.2	78.0	42.9	2.6
37.5°	331.0	328.1	319.2	295.6	256.3	205.2	149.8	97.5	55.2	28.7	1.7
40°	303.1	299.4	281.5	253.0	211.8	161.6	111.4	67.0	36.4	17.5	0.7
42.5°	251.5	243.9	226.0	196.8	158.1	114.3	73.2	43.4	21.4	10.6	0.2
45°	186.8	181.0	162.2	135.7	103.6	73.3	44.3	23.5	11.8	6.5	0.1
47.5°	108.8	105.3	95.6	78.2	57.2	38.5	22.7	12.6	6.9	3.1	0.1
50°	56.9	52.5	45.2	34.2	25.2	17.7	11.1	6.8	3.4	1.0	0.1
52.5°	20.0	19.7	17.9	13.5	11.0	7.9	5.4	2.9	1.0	0.2	0.1
55°	2.8	2.8	2.6	2.9	3.1	2.8	1.9	0.8	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1335555

CATALOG NUMBER: P3A02R35B2750DE010 E3A301WMH_3000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	11.4	11.4	11.4	11.4	11.4
2.5°	11.4	9.1	7.2	6.4	6.1
5°	10.7	6.8	4.5	3.5	3.3
7.5°	9.5	4.9	2.7	2.0	1.9
10°	8.3	3.5	1.7	1.2	1.1
12.5°	6.9	2.4	1.1	0.7	0.6
15°	5.8	1.7	0.6	0.5	0.4
17.5°	4.6	1.1	0.4	0.3	0.4
20°	3.6	0.7	0.2	0.2	0.2
22.5°	2.7	0.4	0.2	0.2	0.2
25°	2.0	0.2	0.1	0.1	0.2
27.5°	1.4	0.1	0.1	0.1	0.2
30°	0.8	0.1	0.1	0.1	0.2
32.5°	0.4	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)